

CLAIMS:

1. A refuse bin for disposing of waste on a tray comprising a housing having a trapdoor, the trapdoor having tray engaging means for releasably engaging the tray, the trapdoor being movable between a first position in which a tray with waste on the tray is supportable on the trapdoor and a discharge position in which the trapdoor and tray engaged on the trapdoor are inclined so that waste on the tray is discharged into the housing.
2. A refuse bin mechanism as claimed in claim 1 in which the tray is slidably engagable on the trapdoor by sliding the tray onto the trapdoor so that parts of the tray locates underneath the tray engaging means.
3. A refuse bin as claimed in any of the preceding claims in which the engaging means includes a L-shaped bracket extending from the trapdoor for engaging an edge of the tray to prevent sliding of the tray when the trapdoor is moved to the discharge position.
4. A refuse bin mechanism as claimed in any one of claims 1 or 2 in which the engaging means include L-shaped sections extending from the trapdoor so that one section of each L-

shaped section locates above an outer side edge of a tray on the trapdoor to prevent tipping of the tray when the trapdoor is moved to its discharge position.

5 5. A refuse bin mechanism as claimed in any one of the preceding claims in which a handle is provided for moving the trapdoor between its first and discharge positions.

10 6. A refuse bin mechanism as claimed in any one of the preceding claims in which the trapdoor is biased towards its first position.

7. A refuse bin mechanism as claimed in claim 6 in which a pneumatic cylinder provides the bias.

15 8. A refuse bin mechanism as claimed in claim 6 in which the handle provides the bias under force of gravity.

9. A refuse bin as claimed in any one of the preceding claims in which the housing of the refuse bin includes a waste container.

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